



USGS Presentations at AAG 2006

Geographic Science and Geospatial Information: Reducing America's Risk

Pre-Conference Workshop: March 6-7

Unleashing the Power of GIS and GPS

For more info: www.tfilearning.com or www.aag.org

Joseph Kerski

Wednesday, 3:00 p.m. – Clark 10

Panel Session: International Collaborative Projects in Higher Education: Lessons Learned

Joseph Kerski

Thursday, March 9

Thursday, 8:00 a.m. – Montrose 7

Paper Session: The Infusion of GIS into Various Disciplines: Spatial Education at its Most Useful - Part I Bridging Geography and Mathematics Through GIS

Joseph J. Kerski

Thursday, 8:00 a.m. – Sandburg 4

Paper Session: Innovative Uses of GIS to Explore Water Resource Issues on the US-Mexico Border

Evaluation of bi-national land-cover change-detection procedures in the Lower Rio Grande Valley: Applications to water-resource issues

Zachary Wilson, Jean Parcher

Thursday, 10:00 a.m. – Sandburg 4

Paper Session: Changing Geography Education

Joseph J. Kerski

Thursday, 11:50 a.m. – Salon 5

Panel Session: My Community, Our Earth: Geographic Learning for Sustainable Development in the US Gulf and Greater Caribbean Region

Eugene Fosnight

Thursday, 1:00 p.m. – Adams Ballroom

Poster Session: Environment

--*Lake Drying in Alaska: developing a methodology*

Benjamin Jones

--*Stability and Change: Forest Land Cover Dynamics in Nineteen Eastern U.S. Ecoregions, 1973-2000*

Roger Auch

--*Land Cover Change Analysis: Southern Florida Coastal Plain Ecoregion 1973-2000*

Steve Kambly, Thomas R Moreland, Mark S. Brooks

Thursday, 3:00 p.m. – Parlor H

Paper Session: Digital Hazardscapes: Hazards, GIS & Remote Sensing

Geospatial-data collection and application for assessing coastal-community vulnerability to tsunamis

Nathan Wood

Thursday, 3:00 p.m. – Parlor A

Paper Session: GIS Governance

Wednesday, March 8

Wednesday, 8:00 a.m. – Adams Ballroom

Poster Session: Biogeography I

Remote Sensing of Insect and Disease Using Hyperspectral Data

Michelle Knappe

Wednesday, 1:00 p.m. – Burnham 5

Paper Session: Geographic Research at USGS III: GIScience

--*Geographic Information Science Research in the U.S. Geological Survey*

E. Lynn Usery

--*USGS GIScience Research: Context-based Conflation*

Stephen C. Gupta

--*Restoration of Data from Lossy Compression*

Brian Maddox

--*The challenges of developing efficient web-enabled GIS analysis tools that leverage national seamless databases*

Dean Tyler, Matthew Cast

--*Problems Associated with Comparing In Situ Water Quality Measurements to Pollution Model Output for Geographical Analyses*

Michael P. Finn, E. Lynn Usery, Austin D. Hartman

Wednesday, 1:00 p.m. – Adams Ballroom

Poster Session: Economic and Applied Geography

Application of GIS to Mapping and Analysis of Mineral Facility Data

Yolanda Fong-Sam

Wednesday, 3:00 p.m. – Dearborn 3

Paper Session: Advances in Paleoclimatology IV

New approaches for isolating the climate/growth signal of millennial Pinus chronologies from the Northern Rocky Mountains, USA

Stephen Gray, Julio Betancourt

Wednesday, 3:00 p.m. – Burnham 5

Panel Session: Vulnerability and Risk Analysis for Decision-Making: Can a National Strategy be Developed?

Carl Shapiro, Rich Bernknopf, Nathan Wood

--Reconstruction and Modernization Challenges Facing the Afghan Geodesy and Cartography Head Office

Peter George Chirico

--Geospatial Data Coordination Activities of the USGS National Geospatial Programs Office

Dick Vraga

--The U.S. Geological Survey Land Cover Institute

Christopher Barnes

--Modernizing Topographic Mapping at the USGS

Stafford Binder, Michael J Cooley, Larry (Bob) R. Davis

Thursday, 5:00 p.m. – Private Dining Room 7

Paper Session: Diverse Representations of Geographic Information

The Governance of Spatial Data Infrastructures

Barbara Poore

Thursday, 5:00 p.m. – Private Dining Room 16

Panel Session: Integration of GIS into the K-12 Curriculum

Joseph J. Kerski

Friday, March 10

Friday, 8:00 a.m. – Parlor E

Paper Session: Geographic Research at USGS I: Remote Sensing

--Summary of U.S. Geological Survey Land Remote Sensing Activities and Data Sources

Ralph J. Thompson, Thomas Holm

--Sampling versus Wall-to-Wall Mapping for Monitoring United States Land Cover Change with Landsat Data

Thomas R. Loveland

--Geographic and remote sensing science for greater understanding of Everglades landscape processes

John W. Jones

--Interferometric Synthetic Aperture Radar (InSAR) for USGS Hazards Research

Russell Rykhus, Zhong Lu, Oh-Ig Kwoun

--Lidar quantification of urban tree cover for a metric of sustainability

Vivian Queija

Friday, 8:00 a.m. – Montrose 7

Paper Session: Landscape Ecology 1: Quantifying and Monitoring Landscape Pattern Using Remote Sensing/GIS Fragmentation Patterns in the Eastern U.S.: 1973 - 2000

Rachel Kurtz

Friday, 10:00 a.m. – Parlor E

Paper Session: Geographic Research at USGS II: Land Change

--A regional classification scheme for estimating reference water quality in streams using land-use-adjusted spatial regression-tree analysis

Dale Robertson

--Developing a National Land Use and Land Cover Change Modeling System

Peter Claggett

--Ecological Effects of Climate Change in a TN Oak Swamp

William Wolfe

--The Global Integrated Trends Analysis Network

Roger Sayre

--Simulated Future Climate Change Impacts on Ecosystems in the Western United States

Sarah L. Shafer

Friday, 10:00 a.m. – Adams Ballroom

Poster Session: Geomorphology & Environmental Change Field Tools: An assessment of user needs and a development of tools for land cover change field work

Benjamin Sleeter

Friday, 12:00 p.m. – Adams Ballroom

Poster Session: GIS/Cartography

Landscape change in the Lake Tahoe Basin, California and Nevada: 1940-2002

Christian Raumann

Friday, 12:00 p.m. – Private Dining Room 16

Paper Session: Beyond the Binary: Social Movements and a New Transnational Space?

Talking About Water: how expert and stakeholder discourses illuminate scalar dimensions of governance

Elisabeth Graffy

Friday, 2:00 p.m. – Private Dining Room 9

Panel Session: Pan American Institute of Geography and History (PAIGH): New Directions.

John Kelmelis

Saturday, March 11

Saturday, 8:00 a.m. – LaSalle 2

Paper Session: Land Use Dynamics at Multiple Spatial and Temporal Scales

--Forest area decline in the Southeast, USA

Darrell E. Napton

--Mapping the Vertical Component of Landscape Change: A Baseline Inventory of Topographic Surface Change in the United States

Dean Gesch

Saturday, 8:00 a.m. – Cresthill Room 11

Paper Session: Soil Erosion and Sedimentary Analysis Historical Sediment Trends from a World Class Lead Mining District

Gary Krizanich

Saturday, 2:00 p.m. – LaSalle 5

Paper Session: Health and the City

Measuring the effects of land-use change in suburban Detroit on water quality and quantity using gradient and temporal analysis techniques

Stephen S. Aichele

Saturday, 4:00 p.m. – Private Dining Room 4

Paper Session: Remote Sensing Methods and Data

--Providing EOS Products to the Land Community

Jennifer Willems, John Dwyer

--ALI Level 1Gst Systematic Terrain-Corrected Data Product Available from Earth Observing-1 (EO-1)

Jeffrey J. Danielson